

# Review of: "Non-dimensionalization of the Compressible Navier-Stokes Equation by Pressure Wavelength and Period revealing its Singularity"

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Potential competing interests: No potential competing interests to declare.

The present manuscript is a useful work that will be of interest to researchers working on the compressible Navier--Stokes (CNS) system. In my opinion, the present manuscript is far from being acceptable for publication. The author should take all comments given by all reviewers into consideration carefully.

Let me only mention the major flaw: The choice of the dimensionless variable cannot be scaled by the nonconstant density as part of the characteristic unit of measure because  $\nabla(p/\rho) \neq (1/\rho)\nabla p$  (cf. Appendix).

For all the above reasons, this manuscript must undergo an in-depth review before being accepted for publication. In conclusion, I do not recommend for publication this manuscript in the present form.